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| **Class** | Algebra 1 | **Topic** | U7- More Multiplication Properties of Exponents | **Lesson** | 3 | **Of** | 8 |

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| **Objective** | Students will:   * Define and illustrate powers; * Identify other multiplication properties exponent; and * Simplify polynomials using multiplication law of exponent. |
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| **“I Can” Statement** | I can simplify polynomials using the multiplication law of exponent. |

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| **Common Core Standards** | [CCSS.Math.Content.HSF.IF.C.8.b](http://www.corestandards.org/Math/Content/HSF/IF/C/8/b/) Use the properties of exponents to interpret expressions for exponential functions. For example, identify percent rate of change in functions such as y = (1.02)ᵗ, y = (0.97)ᵗ, y = (1.01)12ᵗ, y = (1.2)ᵗ/10, and classify them as representing exponential growth or decay.  [CCSS.Math.Content.HSA.SSE.B.3.c](http://www.corestandards.org/Math/Content/HSA/SSE/B/3/c/) Use the properties of exponents to transform expressions for exponential functions. *For example the expression 1.15t can be rewritten as (1.151/12)12t ≈ 1.01212t to reveal the approximate equivalent monthly interest rate if the annual rate is 15%*. |

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| **Bell Work** | See Bell Work7-3 |

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| **Procedures** | 1. Start and lead student discussion related to the bell work.  2. Distribute the Guided Notes  3. Present lesson or play a video lesson.  4. Use an Online Activity if time permitted.  5. Distribute Lesson Assignment. |

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| **Assessment** | Bell Work 7-3  Assignment 7-3  Exit Quiz 7-3 |

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| **Additional Resources** | See Online Activities |